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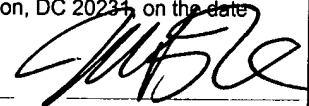
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RE: SN 10/014,927 "SPLICING FACTOR" – Andrea Barta et al.  
(Client Reference: R 38726/sh)

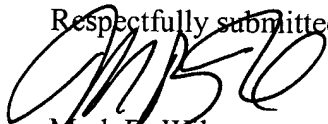
Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, and references (C1-C49).

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No.: 50-1212/10109717/MBW.

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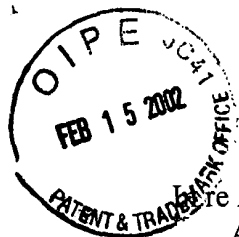
Respectfully submitted,



Mark B. Wilson  
Reg. No. 37,259

MBW/cmb

Encl: as noted



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor Application of:  
Andrea Barta *et al.*

Serial No.: 10/014,927

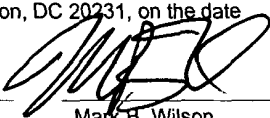
Filed: October 23, 2001

For: SPLICING FACTOR

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: SONN:013US/MBW

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No.: 50-1212/10109717/MBW.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Mark B. Wilson  
Reg. No. 37,259  
Attorney for Applicants

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Date: February 8, 2002

Form PTO-1449 (modified)

Atty. Docket No.  
SONN:013US/MBWSerial No.  
10/014,927

List of Patents and Publications for Applicant's

Applicant  
Andrea Barta *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:  
October 23, 2001Group:  
UnknownU.S. Patent Documents  
See Page 1Foreign Patent Documents  
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## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1 ✓	Allain <i>et al.</i> , "Structural basis of the RNA-binding specificity of human U1A protein," <i>EMBO J.</i> , 16:5764-5774, 1997.
	C2 ✓	Amrein <i>et al.</i> , "The role of specific protein-RNA and protein-protein interactions in positive and negative control of pre-mRNA splicing by transformer 2," <i>Cell</i> , 76:735-746, 1994.
	C3 ✓	Breitbart <i>et al.</i> , "Alternative splicing: a ubiquitous mechanism for the generation of multiple protein isoforms from single genes," <i>Ann. Rev. Biochem.</i> , 56:467-495, 1987.
	C4 ✓	Caceres and Krainer, "Functional analysis of pre-mRNA splicing factor SF2/ASF structural domains," <i>EMBO J.</i> , 12:4715-4726, 1993.
	C5 ✓	Caceres <i>et al.</i> , "A specific subset of SR proteins shuttles continuously between the nucleus and the cytoplasm," <i>Genes &amp; Dev.</i> , 12:55-66, 1998.
	C6 ✓	Caceres <i>et al.</i> , "Regulation of alternative splicing in Vivo by overexpression of antagonistic splicing factors," <i>Science</i> , 265:1706-1709, 1994.
	C7 ✓	Caceres <i>et al.</i> , "Role of the modular domains of SR proteins in subnuclear localization and alternative splicing specificity," <i>J. Cell Biol.</i> , 138:225-238, 1997.
	C8 ✓	Cavaloc <i>et al.</i> , "Characterization and cloning of the human splicing factor 9G8: a novel 35 kDa factor of the serine/arginine protein family," <i>EMBO J.</i> , 13:2639-2649, 1994.
	C9 ✓	Chabot, "Directing alternative splicing: cast and scenarios," <i>TIG</i> , 12: 472-478, 1996.

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EXAMINER:

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Form PTO-1449 (modified)

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Exam. Init.	Ref. Des.	Citation
	C10 J	Diamond <i>et al.</i> , "Novel delayed-early and highly insulin-induced growth response genes," <i>J. Biol. Chem.</i> , 268:15185-15192, 1993. ✓
	C11 J	Dietrich <i>et al.</i> , "A novel zinc finger protein is encoded by the arabidopsis LSD1 gene and functions as a negative regulator of plant cell death," <i>Cell</i> , 88:685-694, 1997. ✓
	C12 ✓	Ditta <i>et al.</i> , "Broad host range DNA cloning system for Gram-negative bacteria: construction of a gene bank of <i>Rhizobium meliloti</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 77:7347-7351, 1980. ✓
	C13 ✓	Fu and Maniatis, "Isolation of a complementary DNA that encodes the mammalian splicing factor SC35," <i>Science</i> , 256:535-538, 1992. ✓
	C14 ✓	Fu, "Specific commitment of different pre-mRNAs to splicing by single SR proteins," <i>Nature</i> , 365:82-85, 1993. ✓
	C15 ✓	Fu, "The superfamily of arginine/serine-rich splicing factors," <i>RNA</i> , 1:663-680, 1995. ✓
	C16 J	Ge and Manley, "A protein factor, ASF, controls cell-specific alternative splicing of SV40 early Pre-mRNA in vitro," <i>Cell</i> , 62:25-34, 1990. ✓
	C17 J	Ge <i>et al.</i> , "Primary structure of the human splicing factor ASF reveals similarities with <i>Drosophila</i> regulators," <i>Cell</i> , 66:737-382, 1991. ✓
	C18 J	Hanamura <i>et al.</i> , "Regulated tissue-specific expression of antagonistic pre-mRNA splicing factors," <i>RNA</i> , 4:430-444, 1998. ✓
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	C20 ✓	Jumaa <i>et al.</i> , "Regulated expression and RNA processing of transcripts from the Srp20 splicing factor gene during the cell cycle," <i>Mol. Cell Biol.</i> , 17:3116-3124, 1997. ✓
	C21 J	Kim <i>et al.</i> , "The <i>Drosophila</i> RNA-binding protein RBP1 is localized to transcriptionally active sites of chromosomes and shows a functional similarity to human splicing factor ASF/SF2," <i>Genes &amp; Dev.</i> , 6:2569-2579, 1992. ✓
	C22 J	Kohtz <i>et al.</i> , "Protein-protein interactions and 5'-splice-site recognition in mammalian mRNA precursors," <i>Nature</i> , 368:119-124, 1994. ✓
	C23 J	Krainer <i>et al.</i> , "Purification and characterization of pre-mRNA splicing factor SF2 from HeLa cells," <i>Genes &amp; Dev.</i> , 4:1158-1171, 1990. ✓

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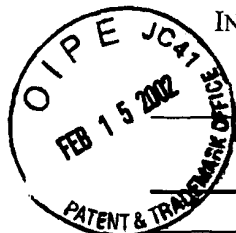
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Exam. Init.	Ref. Des.	Citation
	C24 ✓	Krainer <i>et al.</i> , "The essential pre-mRNA splicing factor SF2 influences 5' splice site selection by activating proximal sites," <i>Cell</i> , 62:35-42, 1990. ✓
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	C26 ✓	Lopato <i>et al.</i> , "at SRp30, one of two SF2/ASF-like proteins from Arabidopsis thaliana, regulates splicing of specific plant genes," <i>Genes &amp; Dev.</i> , 13:987-1001, 1999. ✓
	C27 ✓	Lou <i>et al.</i> , "An intron enhancer recognized by splicing factors activates polyadenylation," <i>Genes &amp; Dev.</i> , 10:208-219, 1996. ✓
	C28 ✓	Manley and Tacke, "SR proteins and splicing control," <i>Genes &amp; Dev.</i> , 10:1569-1579, 1996. ✓
	C29 ✓	Mayeda and Krainer, "Regulation of alternative pre-mRNA splicing by hnRNP A1 and splicing factor SF2," <i>Cell</i> , 68:365-375, 1992. ✓
	C30 ✓	Mayeda <i>et al.</i> , "Function of conserved domains of hnRNP A1 and other hnRNP A/B proteins," <i>EMBO J.</i> , 13:5483-5495, 1994. ✓
	C31 ✓	Mayeda <i>et al.</i> , "Two members of a conserved family of nuclear phosphoproteins are involved in pre-mRNA splicing," <i>Proc. Natl. Acad. Sci. USA</i> , 89:1301-1304, 1992. ✓
	C32 ✓	Morrison <i>et al.</i> , "smg mutants affect the expression of alternatively spliced SR protein mRNAs in <i>Caenorhabditis elegans</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 94:9782-9785, 1997. ✓
	C33 ✓	Ramchatesingh <i>et al.</i> , "A subset of SR proteins activates splicing of the cardiac troponin T alternative exon by direct interactions with an exonic enhancer," <i>Mol. Cell. Biol.</i> , 15:4898-4907, 1995. ✓
	C34 ✓	Roth <i>et al.</i> , "A conserved family of nuclear phosphoproteins localized to sites of polymerase II transcription," <i>J. Cell Biol.</i> , 115:587-596, 1991. ✓
	C35 ✓	Screaton <i>et al.</i> , "Identification and characterization of three members of the human SR family of pre-RNA splicing factors," <i>EMBO J.</i> , 14:4336-4349, 1995. ✓
	C36 ✓	Staknis and Reed, "SR proteins promote the first specific recognition of pre-mRNA and are present together with the U1 small nuclear ribonucleoprotein particle in a general splicing enhancer complex," <i>Mol. Cell Biol.</i> , 14:7670-7682, 1994. ✓

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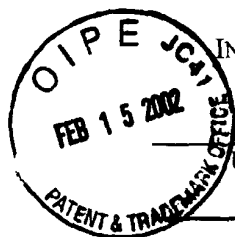
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	C37 ✓	Sun <i>et al.</i> , "General splicing factor SF2/ASF promotes alternative splicing by binding to an exonic splicing enhancer," <i>Genes &amp; Dev.</i> , 7:2598-2608, 1993. ✓
	C38 ✓	Tacke and Manley, "The human splicing factors ASF/SF2 and SC35 possess distinct, functionally significant RNA binding specificities," <i>EMBO J.</i> , 14:3540-3551, 1995. ✓
	C39 ✓	Tian and Maniatis, "A splicing enhancer complex controls alternative splicing of doublesex pre-mRNA," <i>Cell</i> , 74:105-114, 1993. ✓
	C40 ✓	Valcarcel and Green, "The SR protein family: pleiotropic functions in pre-mRNA splicing," <i>Trends Biochem.</i> , 21:296-301, 1996. ✓
	C41 ✓	Vellard <i>et al.</i> , "A potential splicing factor is encoded by the opposite strand of the trans-spliced c-myc exon," <i>Proc. Natl. Acad. Sci. USA</i> , 89:2511-2515, 1992. ✓
	C42 ✓	Wang and Manley, "Overexpression of the SR proteins ASF/SF2 and SC35 influences alternative splicing in vivo in diverse ways," <i>RNA</i> , 1:335-346, 1995. ✓
	C43 ✓	Wu and Maniatis, "Specific interactions between proteins implicated in splice site selection and regulated alternative splicing," <i>Cell</i> , 75:1061-1070, 1993. ✓
	C44 ✓	Yang <i>et al.</i> , "The A1 and A1 <sup>B</sup> proteins of heterogeneous nuclear ribonucleoproteins modulate 5' splice site selection in vivo," <i>Proc. Natl. Acad. Sci. USA</i> , 91:6924-6928, 1994. ✓
	C45 ✓	Zahler <i>et al.</i> , "Distinct functions of SR proteins in alternative pre-mRNA splicing," <i>Science</i> , 260:219-222, 1993. ✓
	C46 ✓	Zahler <i>et al.</i> , "SR proteins: a conserved family of pre-mRNA splicing factors," <i>Genes &amp; Dev.</i> , 6:837-847, 1992. ✓
	C47	Zuo and Maniatis, "The splicing factor U2AF <sup>35</sup> mediates critical protein-protein interactions in constitutive and enhancer-dependent splicing," <i>Genes &amp; Dev.</i> , 10:1356-1368, 1996. ✓
	C48	Zuo and Manley, "Functional domains of the human splicing factor ASF/SF2," <i>EMBO J.</i> , 12:4727-4737, 1993. ✓
	C49	Zuo and Manley, "The human splicing factor ASF/SF2 can specifically recognize pre-mRNA 5' splice sites," <i>Proc. Natl. Acad. Sci. USA</i> , 91:3363-3367, 1994. ✓

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